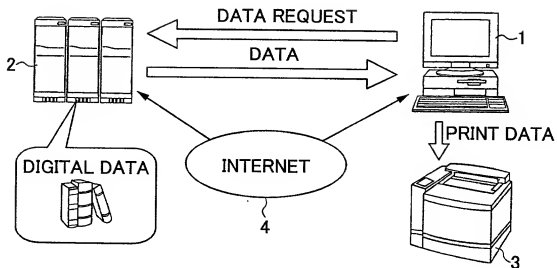


FIG. 1



10022773.122001

FIG. 2

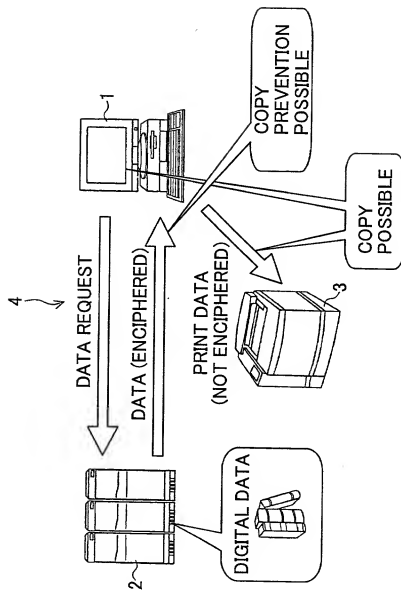
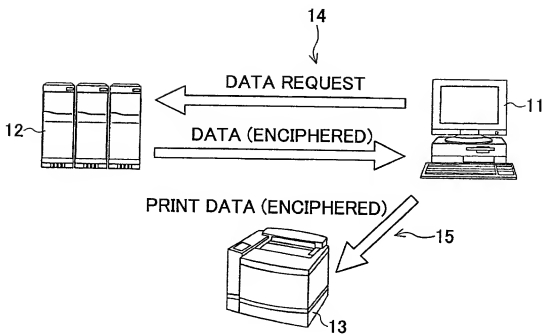


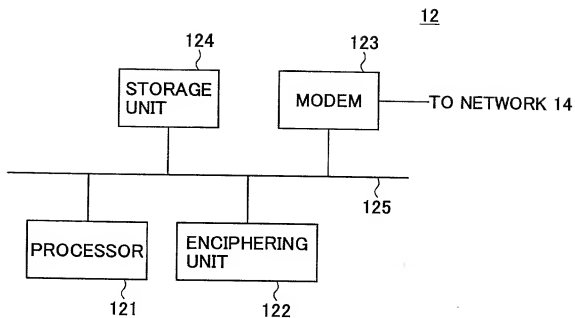
FIG. 2

FIG.3



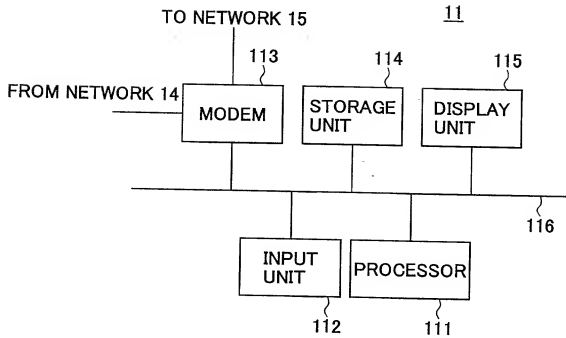
10022773.122001

FIG.4



10022773.122001

FIG.5



10022773.122001

FIG. 6

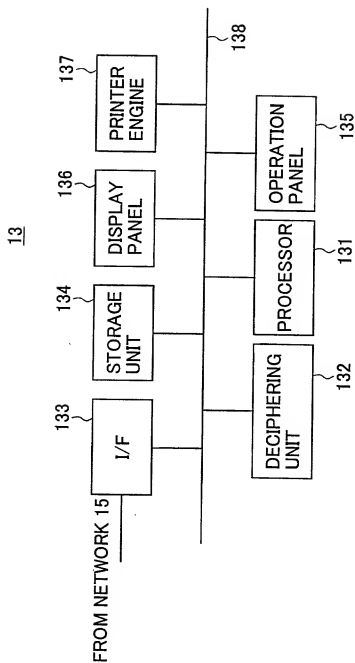
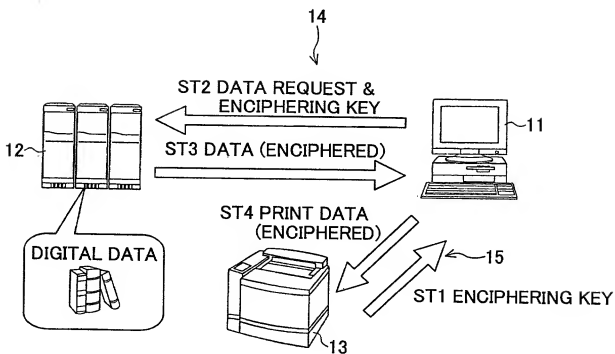
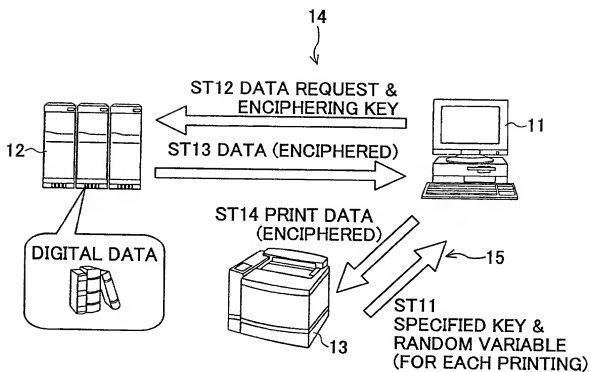


FIG. 7



10022773.122001

FIG.8



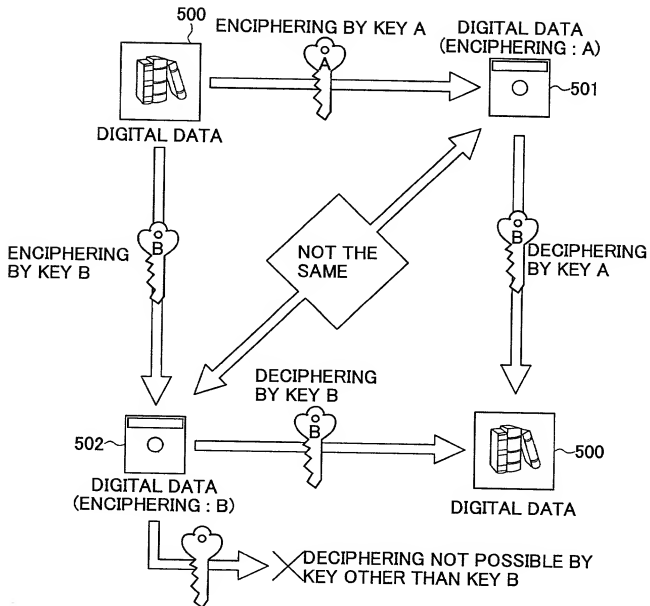
10022773.122001

FIG.9

	MACHINE-SPECIFIED KEY		RANDOM VARIABLE	ENCIPHERING KEY	NOTE
1ST PRINTING	AAAA	+	BBB	EEEE	KEY BECOMES DIFFERENT FOR EACH PRINTING EVEN IN THE SAME APPARATUS, TO PREVENT COPYING
2ND PRINTING	AAAA	+	CCC	FFFF	
NTH PRINTING	AAAA	+	DDD	GGGG	

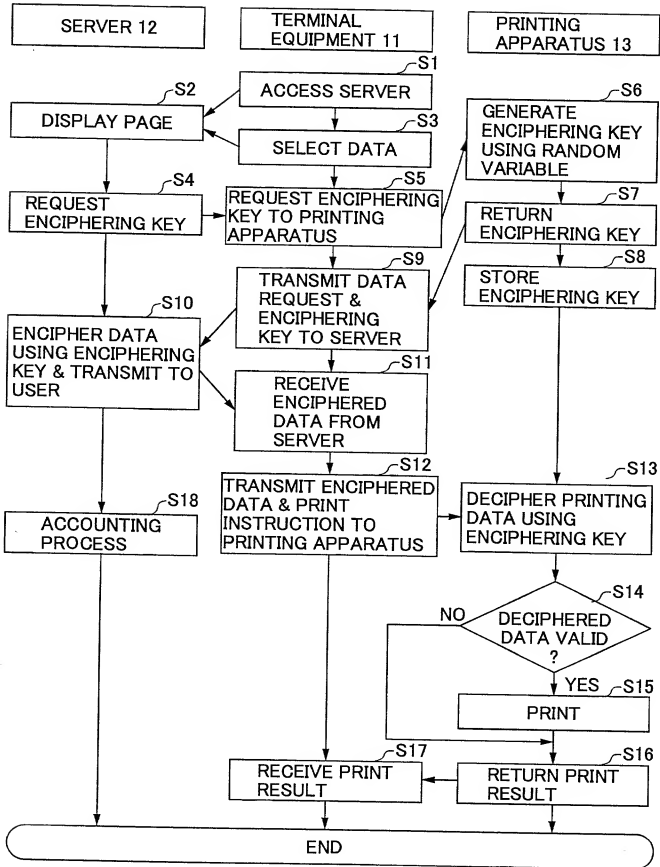
100221*E4422001

FIG.10



10022773.122001

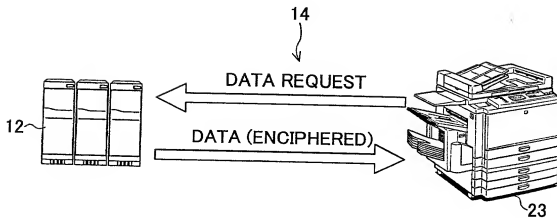
FIG.11



```
graph TD
    S1[TERMINAL EQUIPMENT 11] -- S2 --> S3[ACCESS SERVER]
    S3 -- S3 --> S4[DISPLAY PAGE]
    S3 -- S5-1 --> S6[REQUEST ENCIPHERING KEY TO PRINTING APPARATUS]
    S6 -- S7 --> S8[RETURN ENCIPHERING KEY]
    S8 -- S9 --> S10[TRANSMIT DATA REQUEST & ENCIPHERING KEY TO SERVER]
    S10 -- S11 --> S12[RECEIVE ENCIPHERED DATA FROM SERVER]
    S12 -- S13 --> S14[TRANSMIT ENCIPHERED DATA & PRINT INSTRUCTION TO PRINTING APPARATUS]
    S14 -- S15 --> S16[DECIPHER PRINTING DATA USING ENCIPHERING KEY]
    S16 -- S17 --> S18{DECIPHERED DATA VALID?}
    S18 -- YES --> S19[PRINT]
    S19 -- S20 --> S21[RETURN PRINT RESULT]
    S21 -- S22 --> S23[RECEIVE PRINT RESULT]
    S23 --> END([END])
    S10 -- S10 --> S24[ENCIPHER DATA USING ENCIPHERING KEY & TRANSMIT TO USER]
    S24 -- S25 --> S26[ACCOUNTING PROCESS]
    S26 --> END
```

The flowchart illustrates the process of data transmission and printing. It begins with Terminal Equipment 11 (S1) sending a request (S2) to the Access Server (S3). The Access Server (S3) then displays a page (S4) and requests an enciphering key from the Printing Apparatus (S5-1). The Printing Apparatus (S6) returns the enciphering key (S7) to the Access Server (S8). The Access Server (S9) then transmits a data request and the enciphering key to the Server (S10). The Server (S11) receives the enciphered data from the Access Server (S12) and transmits it along with a print instruction to the Printing Apparatus (S13). The Printing Apparatus (S14) deciphers the printing data using the enciphering key (S15). A decision is made (S16) on whether the deciphered data is valid. If YES (S17), the data is printed (S18). If NO (S19), the process loops back to the request for the enciphering key (S5-1). After printing, the Printing Apparatus (S20) returns the print result to the Access Server (S21), which then receives the print result (S22). The process ends (S23). Additionally, the Access Server (S10) enciphers data using the enciphering key and transmits it to the user (S24), who then undergoes an accounting process (S25) before ending (S26).

FIG.13



10022773.122001

FIG.14

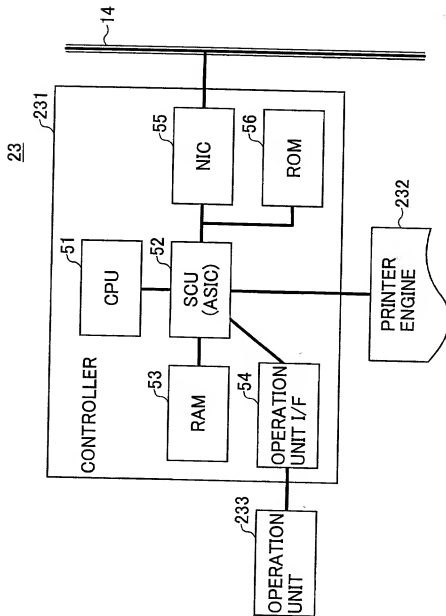


FIG.15

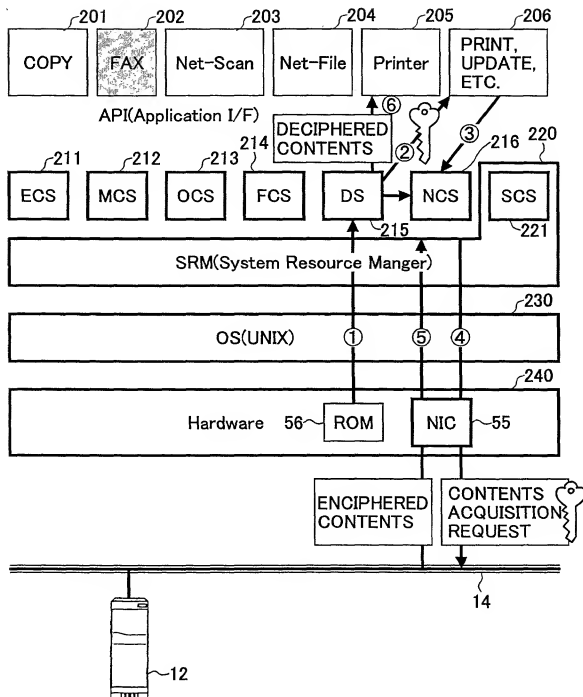
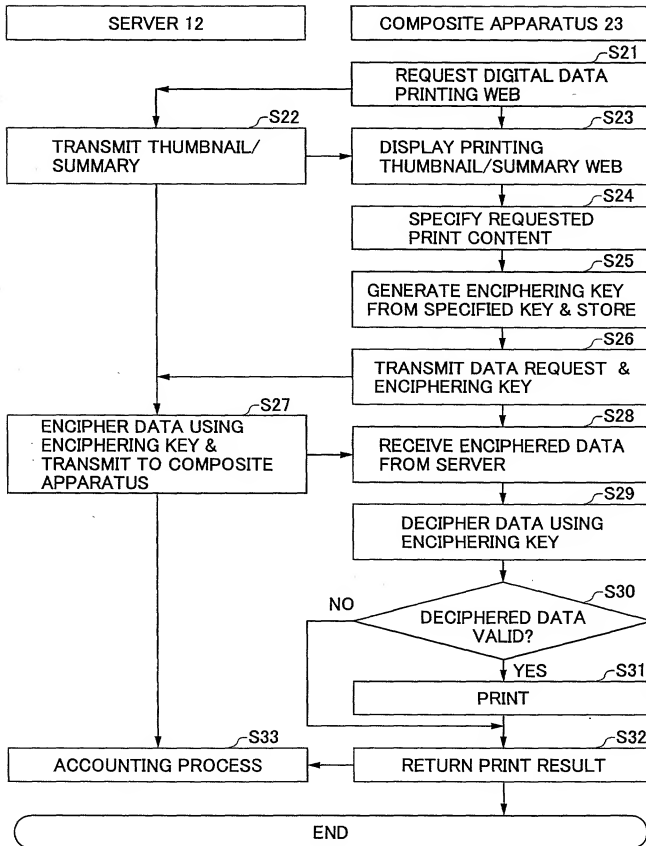


FIG.16



10022773.122001

FIG.17

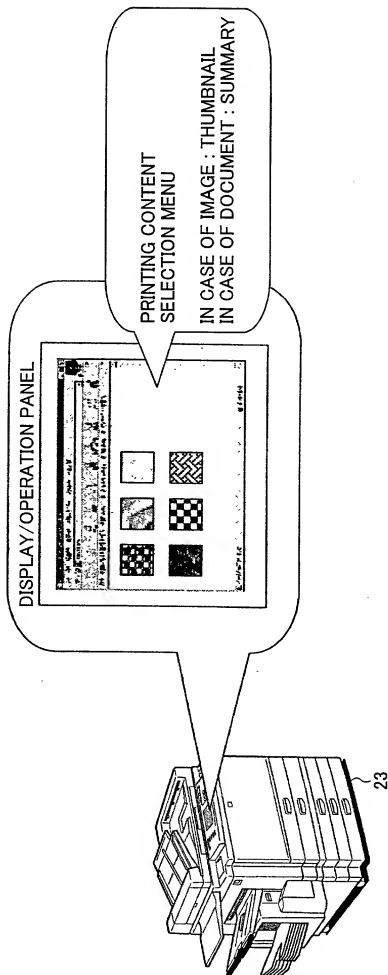
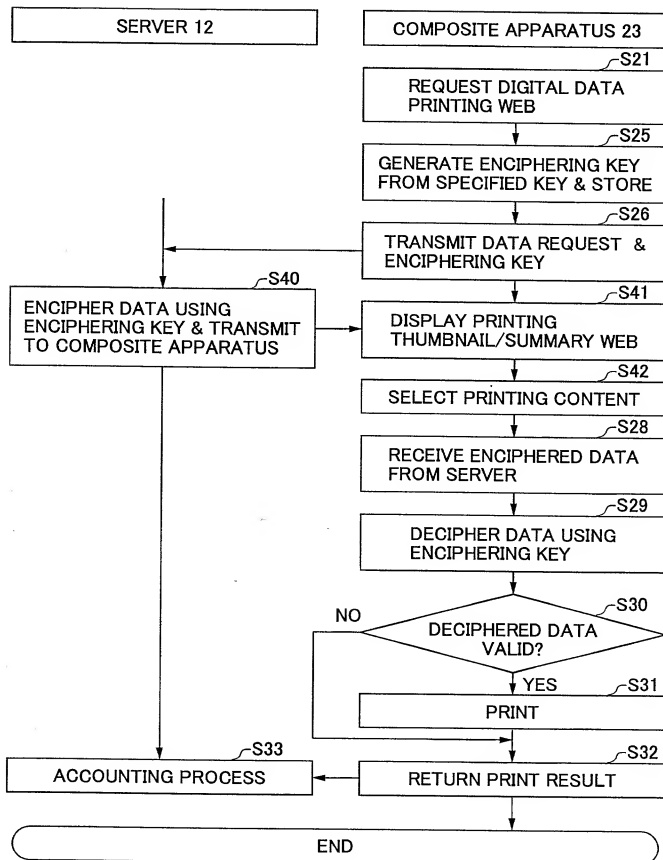


FIG.18



10022773-122001